IN THE CLAIMS

Please make the following claim substitutions:

1. (Currently amended) A method <u>of</u> regulating traffic in a communications
network comprising the steps of:
aggregating one or more component traffic flows into a component traffic stream
aggregating one or more component traffic streams into an aggregate stream;
carrying the aggregate stream in a single, FIFO queue; and
generating selective backpressure on selected ones of the component traffic
streams such that selected ones of the component streams are desirably regulated.



- 2. (Currently amended) The method according to claim 1, wherein said aggregation of the one or more traffic flows is performed according to the <u>a</u> destination of the traffic flows and the similarity of the Quality of Service requirements of the traffic flows.
- 3. (Currently amended) The method according to claim 3 1, wherein said aggregation of the one or more component traffic streams into an said aggregate stream is performed according to the a destination of the component traffic stream.
- 4. (Currently amended) The method according to claim 3, wherein said aggregation is performed according to the an absence of delay guarantees.
 - 5. (Canceled)
- 6. (Currently amended) The method according to claim 5 1, wherein said generating selective backpressure step comprises the steps of:
 maintaining an aggregate queue occupancy counter;
 maintaining a credit counter for each component traffic stream; and
- asserting selective backpressure for a specific one of the component traffic streams when the a corresponding credit counter reaches a predetermined threshold.
- 7. (Original) The method according to claim 6 further comprising the steps of: initializing the credit counter to a maximum value;

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- The method according to claim 10 wherein said first type of backpressure is applied towards both the Guaranteed Bandwidth Traffic Stream and the Best Effort Traffic Stream and wherein said second type of backpressure applies toward the Best Effort Traffic Stream.
- 12. (Currently amended) The method according to claim 41 10, wherein said step of maintaining a said Best Effort credit counter further comprises the steps of:

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3	initializing the counter to a maximum value;
4	incrementing the counter when an excess bandwidth service is provided to said
5	aggregate queue;
6	decrementing the counter when a data item arrival is associated with excess
7	bandwidth service; and
8	resetting the counter to its maximum value each time the eoccupancy the
9	occupancy of said aggregate queue reaches a value of zero.
1	13. (Original) The method according to claim 12 wherein said incrementing
2	step is not performed if the first type of backpressure is asserted.
1	14. (Original) The method according to claim 12, wherein said
2	decrementing step is not performed if the arriving data item belongs to the Guaranteed
3	Bandwidth Traffic Stream.
1	15. (Currently amended) The method according to claim 10, wherein said step
2	of asserting a first type of backpressure occurs whenever the aggregate queue
3	occupancy conter counter exceeds a predefined threshold.
1	16. (Original) The method according to claim 10, wherein said step of
2	asserting a second type of backpressure occurs whenever the Best Effort credit counter
3	reaches a value of zero.